ken off at the Death of the Animal, before its being petrified.

Mr. *Brown* does not mention in his Inſect the Property of rolling itſelf up, which this certainly had; as appears by ſeveral of the Figures, as *Fig.* 3, 4, 5, 7, 11, and 12, which are intirely rolled up; and as is more particularly repreſented by *Fig* 11 and 12. in which it appears, that the Tail is turn'd up under the Belly quite to the Mouth; and at *Fig.* 8. the Creature ſeems but half-rolled up.

I have conſulted all the Books I could meet with, which give Figures of Inſects and cruſtaceous Animals in their natural and petrified States; and find none reſemb'e this *Dudley* Foſſil ſo near as M. *Klein*'s Inſect; therefore I ſhall, till we get more Information, call it, *Scolopendræ aquaticæ ſcutatæ affine animal petrifactum.*

XVI. *The Deſcription and Figures of a ſmall flat* ſpheroïdal Stone, *having Lines formed upon it*; *by* C. Mortimer, *M. D. & Secret. R. S.*

MR. *Peter Collinſon*, a very worthy Member of the *Royal Society*, produced, at a Meeting of that Body, on *Nov.* 8. 1750. a very curious ſpheroïdal Stone, about 4 Inches Diameter, of a Chocolate-colour, marked with 4 white Lines, about the Breadth of a Horſe-hair, encompaſſing the whole Stone, like the Meridians on a Globe; but, inſtead of croſſing one another in a Point, as *they* do, upon the Globe, theſe are connected by a ſhort tranſverſe Line; as is deſcribed above in *p.* 535 of this

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this *Tranſaction*, and as may be diſtinctly ſeen in TAB. I. *Fg.* 1. at *C D*.

I lately received, by a Friend, from the Iſle of *Sheppey* in *Kent*, a ſmall Stone, with ſimilar Lines upon it. Mine is only $\frac{7}{8}$ of an Inch in Diameter, of a brown Colour, and of the Conſiſtence of Marble. As a Deſcription in Words does not convey ſo clear an Idea as an exact Drawing, I have endeavoured to give Repreſentations of this Stone in different Views; as at TAB. I. *Fig.* 13, 14, 15, 16.

Fig. 13. repreſents the Top of the Stone, on which the Lines are moſt regular, being depreſſed into the Stone, and of the ſame Colour with it. *a*, *c*, *d*, *e*, are the four principal Lines, anſwering to thoſe on Mr. *Collinſon*'s Stone, and are connected, as in his, by the tranſverſe Line *g h*. The Line *b* is an Irregularity in this Stone, and ſo is *f*, which are not in the other; theſe irregular, or ſupernumerary Lines being continued to the other Hemiſphere,

Fig. 14. or Bottom of the Stone, make the Directions of the other Lines very irregular, as may be ſeen in the Figure; only the Lines *c*, *d*, and *e*, being connected by the tranſverſe Line *g h*, which here ſtands at right Angles with that in *Fig.* 13.

The following Figures repreſent the Section of the Stone thro' its Equator, as nearly as poſſible; only the Mill cut away the Subſtance to about the Thickneſs of a Shilling. In theſe Sections the Ramifications appear quite white.

Fig. 15. ſhews the Section of the upper Hemiſphere, as

Fig. 16. does that of the lower Hemiſphere; in both of which the Letters of Reference anſwer to thoſe in the other Figures, ſhewing where the outſide Lines abutt upon theſe Sections.

An Explanation of the Figures in TAB. I.

1. Mr. *Collinſon*'s ſpheroïdal Stone.
2. The Section of the ſame.
3. The Face of the *Dudley* Foſſil rolled up.
4. The Back of the ſame.
5. The fore and under Part, with the Tail folded cloſe under the Jaw.
6. Dr. *Shaw*'s Foſſil half-extended.
7. The Face of the ſame.
8. The under Side of the ſame, being folded but half-way, leaving a Space between the Jaw and the Tail.
9. Dr. *Potock*'s extended Foſſil, the Back uppermoſt.
10. A ſide View of the ſame.
11. A ſide View of another folded up.
12. A front View of the ſame with the Tail folded cloſe under the Jaw.

The Letters of Reference in the Deſcription anſwer to the ſame Parts in *Fig.* 9, 10, 11, and 12.

13, 14, 15, 16, are the Figures of the Stone, deſcribed in *Art.* XVI. in all which the Letters refer to the ſame Lines.

TAB. II. Repreſents a large Maſs of Lime-ſtone dug up at *Dudley*, in which are imbodied many of theſe Foſſils, together with ſeveral other petrified Shells.

NOTE.

Fig. 1.

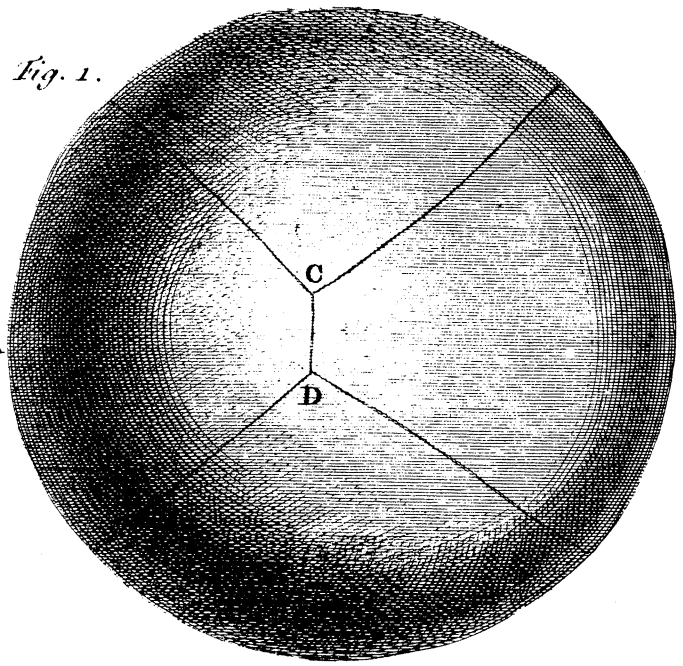

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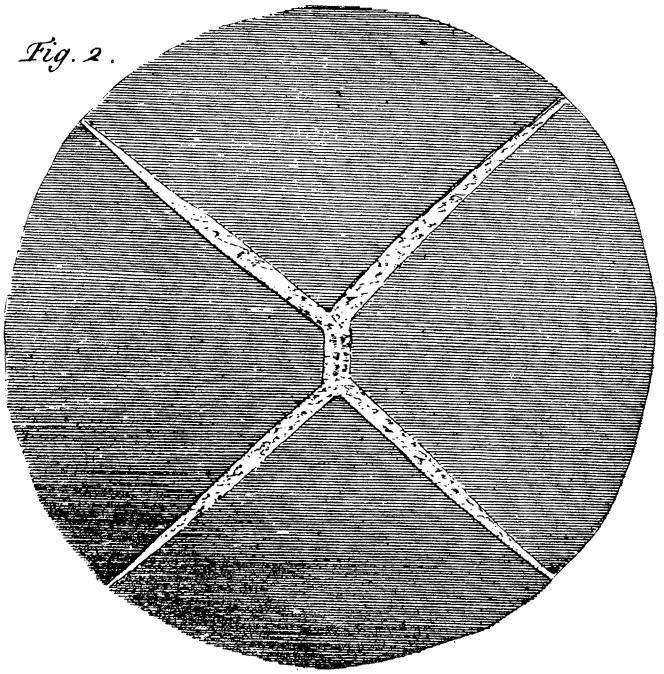
Fig. 2.



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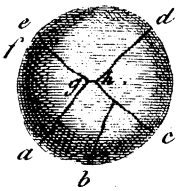

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Fig. 14.

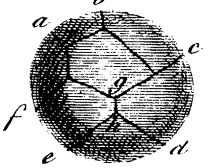
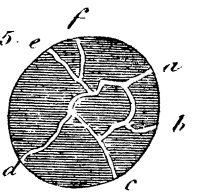


Fig. 15.



p. 604.

Fig. 16.

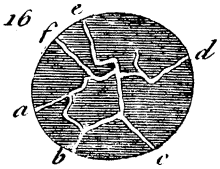


Fig. 3.

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Fig

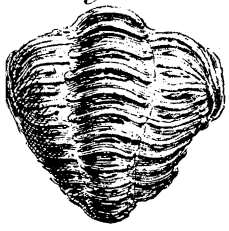
Fig

p. 59

Fig.

p. 599.

Fig. 4.



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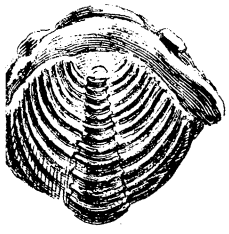

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Fig. 6.

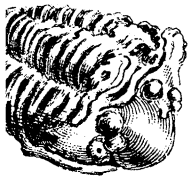

Fig. 7.

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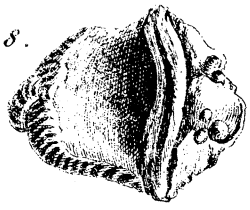
Fig. 8.



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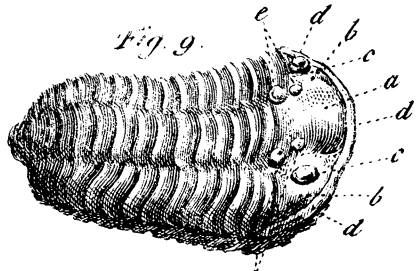

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Fig. 10.

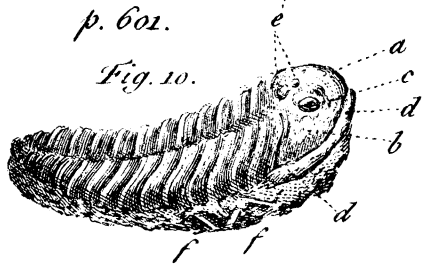

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Fig. 11.

Fig. 12.

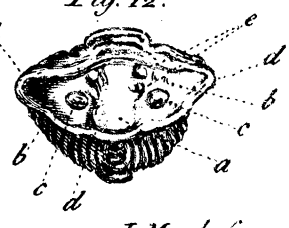

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Fig. 1.

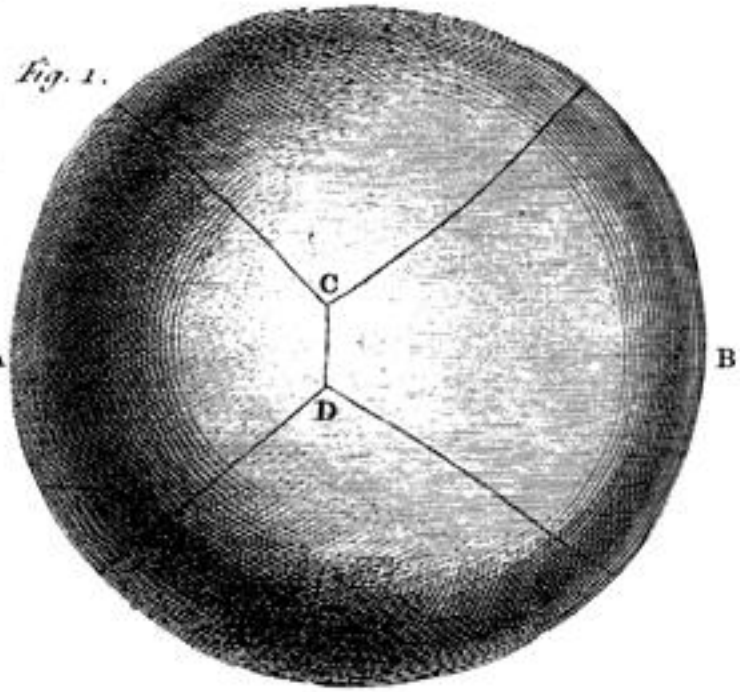

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Fig. 2.

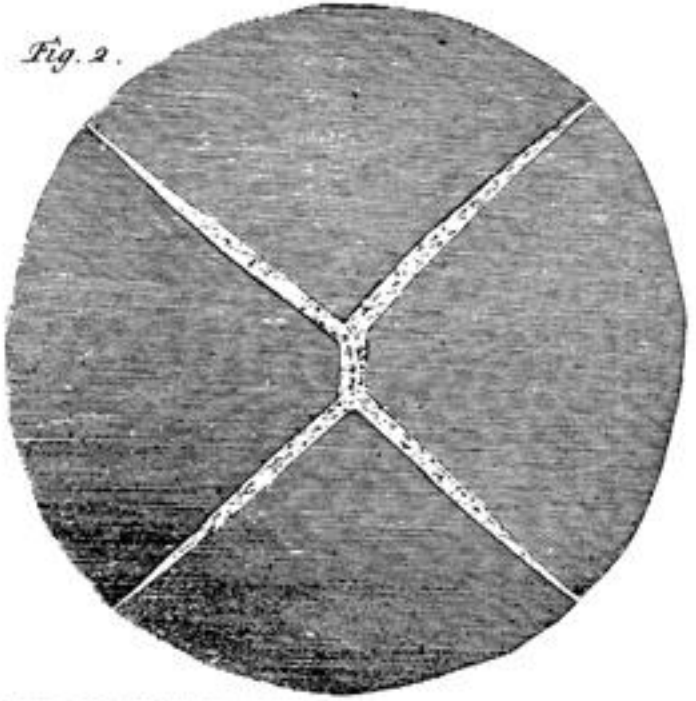

Fig. 13.

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Fig. 3.

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Fig. 7.

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Fig. 8.

Fig. 14.

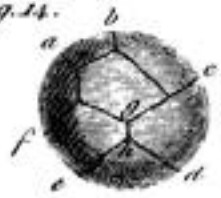

Fig. 4.

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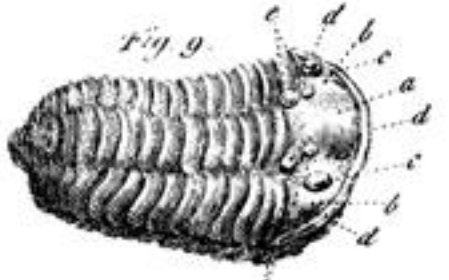

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Fig. 15.

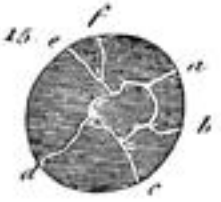

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Fig. 5.

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Fig. 10.

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Fig. 16.

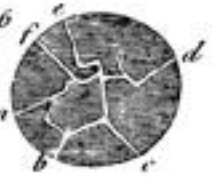

Fig. 6.

Fig. 11.

Fig. 12.

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